

Appl. No. 10/010,832
Amdt. Dated June 22, 2005
Reply to Office action of March 22, 2005
Attorney Docket No. P14551/27943-00413USP2
EUS/J/P/05-8099

Amendments to the Claims:

This listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An interworking node operatively connectable to a plurality of call control nodes each including switching intelligence and narrowband switching fabric and a plurality of connection control nodes each including broadband switching fabric, said interworking node comprising:

means for interworking between said plurality of call control nodes and said plurality of connection control nodes; [and]

means for receiving messages from said plurality of call control nodes, each of said messages including an identifier associated with one of said plurality of call control nodes, each of said messages controlling said interworking means; and

a plurality of resources for interworking between said plurality of call control nodes and said plurality of connection control nodes, an assigned one of said plurality of resources having said identifier of at least one of said call control nodes associated therewith.

2. (Cancelled)

3. (Currently Amended) The interworking node of [Claim 2] Claim 1, wherein said assigned resource comprises a logical port for supporting connections between two of said plurality of call control nodes, said logical port having said identifier of said two call control nodes associated therewith.

4. (Original) The interworking node of Claim 3, wherein said logical port represents a logical E1 path between said two call control nodes.

5. (Original) The interworking node of Claim 4, wherein said assigned resource

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further comprises a call handler within said interworking node, said logical port being handled by said call handler.

6. (Original) The interworking node of Claim 5, wherein said assigned resource further comprises a switch device within said interworking node, said switch device being a logical device that corresponds to the logical E1 path between said two call control nodes.

7. (Original) The interworking node of Claim 6, wherein said means for interworking further comprises:
a mapping function for mapping an address for said switch device to an address for said logical port.

8. (Original) The interworking node of Claim 3, wherein said means for interworking further comprises:
means for establishing logical paths between said logical port and real ports associated with two of said plurality of connection control nodes.

9. (Original) The interworking node of Claim 8, wherein said means for interworking further comprises:
means for establishing a physical connection between said real ports of said two connection control nodes for a call connection.

10. (Currently Amended) A system for combining narrowband and broadband transport mechanisms in a communications network, comprising:
a plurality of call control nodes each including switching intelligence and narrowband switching fabric;
a plurality of connection control nodes each including broadband switching fabric; [and]
at least one intermediate node operatively connectable to said plurality of

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call control nodes and said plurality of connection control nodes, said at least one intermediate node being adapted to interwork between said plurality of call control nodes and said plurality of connection control nodes, said at least one intermediate node being controlled by all of said plurality of call control nodes;

wherein each said call control node of said plurality of call control nodes has an identity associated therewith, each said call control node of said plurality of call control nodes including said respective identity with each message transmitted to said intermediate node; and

wherein said intermediate node has a plurality of resources therein for interworking between said plurality of call control nodes and said plurality of connection control nodes, an assigned one of said plurality of resources having said identity of at least one of said call control nodes associated therewith.

11. (Original) The system of Claim 10, wherein said plurality of connection control nodes comprise at least part of a broadband network.

12-13 (Cancelled)

14. (Currently Amended) The system of [Claim 13] Claim 10, wherein said assigned resource comprises a logical port for supporting connections between two of said plurality of call control nodes, said logical port having said identity of said two call control nodes associated therewith.

15. (Original) The system of Claim 14, wherein said logical port represents a logical E1 path between said two call control nodes.

16. (Original) The system of Claim 15, wherein said assigned resource further comprises a call handler within said intermediate node, said logical port being handled by said call handler.

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17. (Original) The system of Claim 16, wherein said assigned resource further comprises a switch device within said intermediate node, said switch device being a logical device that corresponds to the logical E1 path between said two call control nodes.

18. (Original) The system of Claim 17, wherein said intermediate node further comprises a mapping function for mapping an address for said switch device to an address for said logical port.

19. (Original) The system of Claim 14, wherein said intermediate node is further adapted to establish logical paths between said logical port and real ports associated with two of said plurality of connection control nodes.

20. (Original) The system of Claim 19, wherein said intermediate node is further adapted to establish a physical connection between said real ports of said two connection control nodes for a call connection.

21. (Currently Amended) A method for combining narrowband and broadband transport mechanisms in a communications network, comprising the steps of:

providing a plurality of call control nodes each including switching intelligence and narrowband switching fabric;

providing a plurality of connection control nodes each including broadband switching fabric; [and]

interworking between said plurality of call control nodes and said plurality of connection control nodes using at least one intermediate node, said at least one intermediate node being controlled by all of said plurality of call control [nodes.] nodes;

wherein each said call control node of said plurality of call control nodes has an identity associated therewith, and further comprising the step of transmitting a message from a sending one of said plurality of call control nodes, said message including said identity of said sending call control node and

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wherein said intermediate node has a plurality of resources therein for interworking between said plurality of call control nodes and said plurality of connection control nodes, and further comprising the step of assigning said identity of at least one of said plurality of call control nodes to an assigned one of said plurality of resources.

22-23. (Cancelled)

24. (Currently Amended) The method of [Claim 23] Claim 21, wherein said assigned resource comprises a logical port for supporting connections between two of said plurality of call control nodes, and wherein said step of assigning further comprises the step of:

assigning said identity of said two call control nodes to said logical port.

25. (Original) The method of Claim 24, wherein said assigned resource further comprises a call handler within said intermediate node, and further comprising the step of:

handling said logical port by said call handler.

26. (Original) The method of Claim 25, wherein said assigned resource further comprises a switch device within said intermediate node corresponding to a logical E1 path between said two call control nodes, and further comprising the step of:

mapping between an address for said switch device and an address for said logical port.

27. (Original) The method of Claim 24, further comprising the step of:
establishing logical paths between said logical port and real ports associated with two of said plurality of connection control nodes.

28. (Original) The system of Claim 27, further comprising the step of:
establishing a physical connection between said real ports of said two

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connection control nodes for a call connection.

29. (Original) A method for supporting control of at least one intermediate node by a plurality of call control nodes in a communications network, said plurality of call control

nodes each including switching intelligence and narrowband switching fabric, said intermediate node interworking between said plurality of call control nodes and a plurality of connection control nodes each having broadband switching fabric, said method comprising the steps of:

providing each said call control node of said plurality of call control nodes with an identity; and

assigning said identity of at least one of said plurality of call control nodes to an assigned one of a plurality of resources within said intermediate node, said plurality of resources for interworking between said plurality of call control nodes and said plurality of connection control nodes.

30. (Original) The method of Claim 29, further comprising the step of:

transmitting a message from a sending one of said plurality of call control nodes, said message including said identity of said sending call control node.

31. (Original) The method of Claim 29, wherein said assigned resource comprises a logical port for supporting connections between two of said plurality of call control nodes, and wherein said step of assigning further comprises the step of:

assigning said identity of said two call control nodes to said logical port.

32. (Cancelled)